



284921

U.S. ENVIRONMENTAL PROTECTION AGENCY POLLUTION REPORT

I. HEADING

Date: 01/08/99
Subject: Allied Paper, Kalamazoo Co., Kalamazoo, Michigan
From: Brad Stimple, U.S. EPA OSC, ERB, Response Section 3

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After excavation result

10090 < 10ppm

9090 < 1ppm

8290 < 0.33ppm

Ave. 0.1 - 0.6ppm

assumes 0ppm assumes at D.C.

Ave. Before
~ 200ppm

~ 333 to 2000X reduction

POLREP Number: [REDACTED]

II. BACKGROUND

Site No.: 059B
EPA/IAG ID#: DW96947885-01-0
Response Authority: CERCLA (ERB)
CERCLIS No.: MID006007306

Start (Mobilization) Date: 8/3/98
Completion Date: Ongoing
Demobilization Date: NA
NPL Status: Listed - August 1990

III. SITE INFORMATION

A. Incident Category

CERCLA incident category: Inactive Production Facility (Paper Mill)

B. Site Description

1. Site Location

The Allied Paper site is an operable unit of a larger NPL Superfund Site known as the Allied Paper/Portage Creek/Kalamazoo River Superfund Site (AP/PC/KR). The 51-acre Allied Paper site is located along Portage Creek in a residential and commercial area within the city limits of Kalamazoo, Kalamazoo County, Michigan. Portage Creek flows into the Kalamazoo River approximately 3-miles downstream. The Kalamazoo River empties into Lake Michigan approximately 80-miles downstream.

Specifically, the Bryant Mill Pond area of the Allied Paper site is the primary focus of the time-critical removal action. Portage Creek flows in a northerly direction through the Bryant Mill Pond area. The mill pond was formed when a dam at Alcott Street was in use and water was impounded to approximately the 790-foot contour interval elevation. The 22-acre Bryant Mill Pond is no longer impounded. What remains is an exposed floodplain containing PCB contaminated residual paper pulp waste, soil and sediment resulting from mill wastewater discharge to Portage Creek.

(SEE POLREP 1 FOR ADDITIONAL INFORMATION)

2. Description of Threat

(SEE POLREP 1 FOR DETAILED INFORMATION)

C. Preliminary Assessment/Site Inspection Results
(SEE POLREP 1 FOR DETAILED INFORMATION)

IV. RESPONSE INFORMATION

A. Situation

1. Current Situation

Typical winter weather has returned to the region. Cold temperatures and snow storms have slowed progress at the site over the past few weeks. Lake effect snow and continued cold weather is forecasted for the next week.

Water treatment activities have been suspended until temperatures warm to above freezing. Adequate holding volume is still available in lagoons #1 and 2.

Excavation activities continued north of the "pinch-point" in the west flood plain to approximately 250-feet of the Alcott Street dam (northern extent of excavation). Excavation has begun on the east side of the creek. Creek diversion was completed at the southern most end of the creek to facilitate the excavation. Site crews are now preparing to divert the second portion of the creek up to the pinch-point. Additional PCB sample analysis has suggested that no excavation was necessary in certain portions of the southeast floodplain. At least six inches of material will be removed from the creek bed itself unless PCB analysis indicates that lower depths are necessary.

The initial creek diversion was completed without any apparent problems.

Confirmation sampling and chemical analysis of excavation areas continues without problems.

Site activities were suspended over the Christmas and New Years Holidays.

2. Removal Activities to Date (12/17/98 to 01/8/99)

The following removal activities have taken place during the reporting period:

- 1.) According to a recent volume survey of the consolidation area, approximately 67,000 cubic yards (CY) of PCB contaminated residual paper pulp waste and soil has been excavated from the Bryant Mill Pond. Contaminated material is loaded into dump trucks and transported to lagoon #6 for consolidation. The survey has allowed a more precise estimate of material removed to date.
- 2.) Confirmation sampling, re-excavation of hot spots as necessary, and backfill activities continue.
- 3.) Approximately 560,000 gallons of water has been pumped from the excavation area to dewatering lagoon #1 and #2. Approximately 313,000 gallons of water has been treated. Treated water has been discharged to Portage Creek upon meeting appropriate PCB levels.
- 4.) Surface water sampling and chemical analysis of upstream and downstream locations continues on a weekly basis. Real-time turbidity monitoring continues on a daily basis.
- 5.) Site crews have completed the initial creek diversion allowing for excavation of the east floodplain and creek bed. Preparation for the second diversion is underway.
- 6.) Real-time personnel and perimeter air monitoring is being performed and recorded throughout each day. No problems exist to date.
- 7.) Temporary electrical equipment was setup to run aerators and pumps in the effluent holding tanks.
- 8.) Contaminated sediment samples and a variety of drying reagent samples were shipped to U.S. ACE for bench testing.

3. Enforcement

(SEE POLREP 1 FOR DETAILED INFORMATION)

B. Planned Removal Activities

- * Excavate contaminated soil and residual paper pulp waste from the Bryant Mill Pond (790 contour).
- * Transport material to consolidation area. Solidify and grade waste as necessary.
- * Perform confirmation sampling. Backfill excavation area.
- * Dewater excavation area as necessary. Treat water on-site and discharge as necessary.
- * Perform personnel and perimeter air monitoring throughout project.
- * Maintain site haul roads.
- * Cover consolidation area as appropriate.
- * Perform restoration activities of the Bryant Mill Pond as appropriate.

C. Next Steps (for next reporting period)

- * Complete preparation of second diversion.
- * Continue excavation of east and west floodplain.
- * Begin water treatment again (weather permitting).
- * Continue confirmation sampling and backfill activities.
- * Continue surface water sampling and turbidity monitoring.

D. Key Issues

A Citizen Advisory Committee (CAG) meeting was held during the reporting period. Concerned citizens in attendance were very pleased to here of the progress being made at the site and that cleanup levels are being achieved.

The original IAG with US ACE Rapid Response will be amended to include an additional \$1.5 million. This amount represents the second payment by the PRP to fund the removal action. The final payment, for a total of \$7.5 million, is to be received from the PRP at the end of the month.

V. COST INFORMATION (approximate totals as of 01/01/99)

	CEILING	COSTS
U.S. ACE (Weston)	\$4,000,000	\$2,838,246
U.S. EPA	\$ 150,000	\$ TBD

VI. DISPOSITION OF WASTES

No off-site disposal of waste planned.